

# Validated Reference Material of ***rolling proof 2019***

## Multi-method pesticides in lemon P1902-RMLe



### - Summary -

Please note: Reference material P1902-RMLe is a validated control material and not a certified reference material. The reference material consists of 120 g of a lemon homogenate, which is spiked with 28 pesticides. The corresponding untreated lemon homogenate (120 g) is available as blank material P1902-BLLe.

The reference material is validated in a ring test with 10 laboratories. The spiked levels and the assigned values, calculated of the results of the participants of ***rolling proof*** – module vegetables and fruits 2019 (P1902-RT), are summarised in table 1.

Table 1. Descriptive statistics

Pesticide	Total number of results	Spiked level [mg/kg]	Assigned value [mg/kg]
Azinphos-ethyl	10	0.038	0.0354
Benfluralin	10	0.057	0.0486
Bifenox	10	0.066	0.0574
Chlorobenzilate	10	0.031	0.0294
Coumaphos	10	0.069	0.0675
Dichlorvos	10	0.046	0.0479
Dicrotophos	10	0.032	0.0316
Ditalimfos	10	0.055	0.0488
Endrin	10	0.033	0.0296
Ethiofencarb	10	0.069	0.0659
Ethoprophos	10	0.095	0.0961
Etrimfos	9	0.082	0.0665
Fenamiphos	10	0.025	0.0259
Fenthion	10	0.059	0.0544
$\beta$ -HCH	10	0.072	0.0649
Heptachlor	10	0.062	0.0552
Imidacloprid	10	0.065	0.0631
Mecarbam	10	0.088	0.0814
Mevinphos	10	0.072	0.0811
Mirex	10	0.044	0.0463
Paraoxon-ethyl	10	0.035	0.0366
Pentachloroanisole	9	0.058	0.0525
Phenthoate	10	0.11	0.105
Picoxystrobin	10	0.023	0.0234
Pyridaphenthion	10	0.028	0.0280
Pyridate	10	0.048	0.0625
Quinmerac	10	0.031	0.0325
Vamidothion	10	0.092	0.0883